Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-24 (cancelled)

Claim 25 (currently amended): ~~The electromagnetic interference analysis method as defined in claim 1,~~ An electromagnetic interference analysis method for analyzing the amount of electromagnetic interference arising in an LSI by means of performing a gate level logic simulation, the method comprising:

an instantaneous current amount calculation step of calculating the amount of instantaneous electric current from event information, the information being produced when a change arises in a signal and including the instance name of each cell in which the change has arisen, the name of the signal, a time at which the change has arisen, and transition information;

wherein the modeling step includes a triangular waveform modeling step of modeling the instantaneous current as a triangular waveform whose width is calculated from each event information in consideration of output slew information ~~(i.e., an output slew)~~ for an output terminal of a cell for each event information such that the area of the triangular waveform becomes equal to the amount of electric current of each event, the height of the

triangular waveform being calculated on the basis of the width, and,

~~the~~ an FFT processing step ~~includes~~ further including a step of subjecting to FFT processing information concerning a change in current, the information being calculated in the triangular waveform modeling step.

Claims 26-30 (cancelled)

Claim 31 (new): The electromagnetic interference analysis method as defined in claim 25, wherein the triangular waveform modeling step of further modeling the change arising in an event as a center of an isosceles triangle.